

OKC-2861

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2 January 1962

MEMORANDUM FOR THE RECORD

SUBJECT : Change in Current Outstanding Major Technical Problems  
Since 13 December 1961 - JT11D-20 Engine Development

REFERENCE: Memorandum for the Record from Development Branch, DFD,  
dated 13 December 1961, Subject: Current Outstanding  
Major Technical Problems - JT11D-20 Engine Development  
(OKC-2794)

1. The purpose of this report is to present changes in subject problems since the release of referenced memorandum on 13 December 1961. Attachment 1 indicates these changes and should be read in conjunction with referenced memorandum.

2. Some improvement with maximum effort expended has been realized in the areas of reliability, performance, and durability. Little confirmed improvement in spite of maximum effort has been realized in the area of controls due to lack of engine test verification resulting in part from production component delivery slippages.

3. As of this date, the four most important outstanding problems appear to be:

- (a) Turbine Profile/Burner Cons.
- (b) Hydraulic System Flow Dynamics.
- (c) Controls.
- (d) Hydraulic Pump.

4. The magnitude of these problems, particularly temperature profile, which has delayed endurance testing, would appear to render realization of the March flight worthiness target highly questionable.

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PAGE

Development Branch  
DFD-ID/P

25X1A

Attachment 1

DB/DFD [ ] Jba

Distribution:

- Cy 1-ID/P w/att
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NO CHANGE IN CLASS.  
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ORIGINAL DOCUMENT MISSING PAGE(S):

Missing Attachment